



```

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```

```
0001 0 MODULE getqs ( IDENT = 'V04-000'
P 0002 0 %BLISS32C, ADDRESSING_MODE (EXTERNAL = LONG_RELATIVE,
0003 0 NONEXTERNAL = LONG_RELATIVE)
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0026 1 *
0027 1 *****
0028 1
0029 1 ++
0030 1
0031 1 FACILITY: DSR (Digital Standard RUNOFF) / DSRPLUS
0032 1
0033 1 ABSTRACT: Isolates a string delimited by '' or '''.
0034 1
0035 1 ENVIRONMENT: Transportable
0036 1
0037 1 AUTHOR: R.W.Friday CREATION DATE: May, 1978
0038 1
0039 1
```

GETQS  
V04-000

Revision History

K 5  
16-Sep-1984 00:41:08  
14-Sep-1984 13:06:34

VAX-11 Bliss-32 V4.0-742  
DISK\$VMMASTER:[RUNOFF.SRC]GETQS.BLI;1 Page 2 (2)

:	41	0040	1	XSBTTL 'Revision History'
:	42	0041	1	
:	43	0042	1	MODIFIED BY:
:	44	0043	1	
:	45	0044	1	003 RER00003 Ron Randall 07-Mar-1983
:	46	0045	1	Global edit of all modules. Updated module names, idents,
:	47	0046	1	copyright dates. Changed require files to BLISS library.
:	48	0047	1	
:	49	0048	1	--
:	50	0049	1	

GETQS  
V04-000

Module Level Declarations

L 5  
16-Sep-1984 00:41:08  
14-Sep-1984 13:06:34

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[RUNOFF.SRC]GETQS.BLI;1 Page 3 (3)

```

52 0050 1 XSBTTL 'Module Level Declarations'
53 0051 1
54 0052 1
55 0053 1 TABLE OF CONTENTS:
56 0054 1
57 0055 1 INCLUDE FILES:
58 0056 1
59 0057 1 LIBRARY 'NXPORT:XPORT'; ! XPORT Library
60 0058 1 REQUIRE 'REQ:RNODEF'; ! RUNOFF variant definitions
61 0189 1
62 U 0190 1 XIF DSRPLUS XTHEN
63 U 0191 1 LIBRARY 'REQ:DPLLIB'; ! DSRPLUS BLISS Library
64 0192 1 XELSE
65 0193 1 LIBRARY 'REQ:DSRLIB'; ! DSR BLISS Library
66 0194 1 XFI
67 0195 1
68 0196 1
69 0197 1 EXTERNAL REFERENCES:
70 0198 1
71 0199 1 EXTERNAL LITERAL
72 0200 1 RINTES : UNSIGNED (8);
73 0201 1
74 0202 1 EXTERNAL
75 0203 1 IRA : FIXED_STRING,
76 0204 1 KHAR;
77 0205 1
```

GETQS  
V04-000

Module Level Declarations

M 5  
16-Sep-1984 00:41:08  
14-Sep-1984 13:06:34

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[RUNOFF.SRC]GETQS.BLI;1 Page 4 (4)

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```
0206 1 GLOBAL ROUTINE GETQS (OUTPUT) =
0207 1
0208 1 ++
0209 1 FUNCTIONAL DESCRIPTION:
0210 1
0211 1     GETQS expects the next input character to be either a '"'
0212 1     or a '....'. It collects all characters up through the
0213 1     matching '"' or '....' and returns them in OUTPUT.
0214 1
0215 1 FORMAL PARAMETERS:
0216 1
0217 1     The results are returned in OUTPUT.
0218 1
0219 1 IMPLICIT INPUTS:      None
0220 1
0221 1 IMPLICIT OUTPUTS:    None
0222 1
0223 1 ROUTINE VALUE:
0224 1 COMPLETION CODES:
0225 1
0226 1     See GETQSC.REQ for a list of completion codes.
0227 1
0228 1 SIDE EFFECTS:        None
0229 1 --
0230 1
0231 2 BEGIN
0232 2 LOCAL
0233 2     TERMINATOR;
0234 2
0235 2 MAP
0236 2     OUTPUT : REF FIXED_STRING;
0237 2
0238 2 IF .KHAR EQL RINTES
0239 2 THEN                                     !Nothing on line.
0240 2     RETURN GETQS_NONE;
0241 2
0242 2 TERMINATOR = (SELECTONE .KHAR OF
0243 2     SET
0244 2     [XC'''' XC''] : .KHAR;
0245 2     [OTHERWISE] : RETURN GETQS_NONE;
0246 2     TES);
0247 2
0248 2 FS_INIT (OUTPUT);
0249 2 KCNS ();                                     !Skip over the initial delimiter.
0250 2
0251 2 WHILE .KHAR NEQ RINTES
0252 2     AND .KHAR NEQ .TERMINATOR DO
0253 2     BEGIN
0254 2
0255 2     IF .FS_LENGTH (OUTPUT) EQL .FS_MAXSIZE (OUTPUT)
0256 2     THEN
0257 2         BEGIN                                     !Skip extra characters.
0258 2
0259 2         WHILE .KHAR NEQ RINTES
0260 2             AND (.KHAR NEQ .TERMINATOR) DO
0261 2             KCNS ();
0262 2         
```

GETQS  
V04-000

Module Level Declarations

N 5  
16-Sep-1984 00:41:08  
14-Sep-1984 13:06:34

VAX-11 Bliss-32 V4.0-742  
DISK\$VMSMASTER:[RUNOFF.SRC]GETQS.BLI;1 Page 5 (4)

```

136 0263 4      IF .KHAR EQL .TERMINATOR
137 0264 4      THEN
138 0265 4      KCNS ();
139 0266 4
140 0267 4      RETURN GETQS_TOO_LONG;
141 0268 4      END;
142 0269 4
143 0270 4      FS WCHAR (OUTPUT, .KHAR);
144 0271 4      KCNS ();
145 0272 4      END;
146 0273 4
147 0274 4      IF .KHAR NEQ RINTES
148 0275 4      THEN
149 0276 4      KCNS ()
150 0277 4      ELSE
151 0278 4      RETURN GETQS_BAD;
152 0279 4
153 0280 4      !Reset pointer to start of result, so user can do a simple
154 0281 4      !series of fs_rchar's to process it.
155 0282 4      FS_NEXT (OUTPUT) = .FS_START (OUTPUT);
156 0283 4      RETURN GETQS_NORMAL
157 0284 1      END;
```

!Get next character.

!Skip delimiter, unless it's end of record.

!Trailing terminator missing.

!End of GETQS

.TITLE GETQS  
.IDENT \V04-000\

.EXTRN RINTES, IRA, KHAR

.PSECT \$CODE\$,NOWRT,2

.ENTRY GETQS, Save R2,R3,R4

54	00G	8F	9A	00002	MOVZBL	#RINTES, R4	0206
53	00000000G	EF	9E	00006	MOVAB	KHAR, R3	
52	00000000G	EF	9E	0000D	MOVAB	IRA+12, R2	
50		63	D0	00014	MOVL	KHAR, R0	0238
54		50	D1	00017	CMPL	R0, R4	
		0A	13	0001A	BEQL	1\$	
22		50	D1	0001C	CMPL	R0, #34	0244
		09	13	0001F	BEQL	2\$	
27		50	D1	00021	CMPL	R0, #39	
		04	13	00024	BEQL	2\$	
50		03	D0	00026	MOVL	#3, R0	0245
			04	00029	RET		
51	04	AC	D0	0002A	MOVL	OUTPUT, R1	0248
	0C	A1	D4	0002E	CLRL	12(R1)	
61	10	A1	9E	00031	MOVAB	16(R1), (R1)	
04	A1	61	D0	00035	MOVL	(R1), 4(R1)	
		63	11	00039	BRB	11\$	0249
63	F8	B2	9A	0003B	MOVZBL	@IRA+4, KHAR	
	F8	A2	D6	0003F	INCL	IRA+4	
		62	D7	00042	DECL	IRA+12	
54		63	D1	00044	CMPL	KHAR, R4	0251
		61	13	00047	BEQL	12\$	
50		63	D1	00049	CMPL	KHAR, TERMINATOR	0252
		5C	13	0004C	BEQL	12\$	
08	A1	0C	A1	D1	CMPL	12(R1), 8(R1)	0255

54		3F	12	00053	BNEQ	10\$		
		63	D1	00055	5\$:	CMPL	KHAR, R4	0259
50		1C	13	00058	BEQL	7\$		
		63	D1	0005A	CMPL	KHAR, TERMINATOR		0260
		17	13	0005D	BEQL	7\$		
		62	D5	0005F	TSTL	IRA+12		0261
		08	14	00061	BGTR	6\$		
63		54	9A	00063	MOVZBL	R4, KHAR		
62		01	CE	00066	MNEGL	#1, IRA+12		
		EA	11	00069	BRB	5\$		
63	F8	B2	9A	0006B	6\$:	MOVZBL	@IRA+4, KHAR	
	F8	A2	D6	0006F	INCL	IRA+4		
		62	D7	00072	DECL	IRA+12		
		DF	11	00074	BRB	5\$		
50		63	D1	00076	7\$:	CMPL	KHAR, TERMINATOR	0263
		15	12	00079	BNEQ	9\$		
		62	D5	0007B	TSTL	IRA+12		0265
		08	14	0007D	BGTR	8\$		
63		54	9A	0007F	MOVZBL	R4, KHAR		
62		01	CE	00082	MNEGL	#1, IRA+12		
		09	11	00085	BRB	9\$		
63	F8	B2	9A	00087	8\$:	MOVZBL	@IRA+4, KHAR	
	F8	A2	D6	0008B	INCL	IRA+4		
		62	D7	0008E	DECL	IRA+12		
50		02	D0	00090	9\$:	MOVL	#2, R0	0267
		04	00093	RET				
04	B1	63	90	00094	10\$:	MOVB	KHAR, @4(R1)	0270
		A1	D6	00098	INCL	4(R1)		
	04	A1	D6	0009B	INCL	12(R1)		
	0C	62	D5	0009E	11\$:	TSTL	IRA+12	0271
		99	14	000A0	BGTR	3\$		
63		54	9A	000A2	MOVZBL	R4, KHAR		
62		01	CE	000A5	MNEGL	#1, IRA+12		
		9A	11	000A8	BRB	4\$		
54		63	D1	000AA	12\$:	CMPL	KHAR, R4	0274
		17	13	000AD	BEQL	14\$		
		62	D5	000AF	TSTL	IRA+12		0276
		08	14	000B1	BGTR	13\$		
63		54	9A	000B3	MOVZBL	R4, KHAR		
62		01	CE	000B6	MNEGL	#1, IRA+12		
		0F	11	000B9	BRB	15\$		
63	F8	B2	9A	000BB	13\$:	MOVZBL	@IRA+4, KHAR	
	F8	A2	D6	000BF	INCL	IRA+4		
		62	D7	000C2	DECL	IRA+12		
		04	11	000C4	BRB	15\$		
50		01	D0	000C6	14\$:	MOVL	#1, R0	0278
		04	000C9	RET				
04	A1	61	D0	000CA	15\$:	MOVL	(R1), 4(R1)	0282
		50	D4	000CE	CLRL	R0		0283
		04	000D0	RET				0284

; Routine Size: 209 bytes, Routine Base: \$CODE\$ + 0000

: 158 0285 1  
: 159 0286 1 END  
: 160 0287 0 ELUDOM

!End of module

## PSECT SUMMARY

```
:
:      Name                Bytes                Attributes
: $CODE$                  209 NOVEC,NOWRT, RD ,  EXE,NOSHR, LCL, REL,  CON,NOPI,ALIGN(2)
```

## Library Statistics

```
:
:      File                ----- Symbols ----- Pages Processing
:                               Total   Loaded   Percent   Mapped   Time
: $255$DUA28:[SYSLIB]XPORT.L32;1      590         0         0      252     00:00.1
: _$255$DUA28:[RUNOFF.SRC]DSRLIB.L32;1 1248        17         1      86      00:00.3
```

## COMMAND QUALIFIERS

```
:
: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:GETQS/OBJ=OBJ$:GETQS MSRC$:GETQS/UPDATE=(ENH$:GETQS)
```

```
: Size:          209 code + 0 data bytes
: Run Time:      00:05.9
: Elapsed Time:  00:14.8
: Lines/CPU Min: 2898
: Lexemes/CPU-Min: 19767
: Memory Used:   77 pages
: Compilation Complete
```

0342 AH-BT13A-SE  
VAX/VMS V4.0

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GETONE  
LIS

LAYOUT  
LIS

GTABS  
LIS

GLNM  
LIS

GETQS  
LIS

IFIFNE  
LIS

GETDD  
LIS

GSLU  
LIS

LIT  
LIS

LIST  
LIS

GETNUM  
LIS

HEADER  
LIS